

0. MIPAS Daily Report for level 0 products

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0.1 General Info

This report contains a daily analysis on parameters extracted from MIPAS level 0 data (The MIP_NL__0P product).

0.1.1 Report summary

The table below shows general characteristics of the data that are included into this report.

Item	Value
Report version	v1.6 08-11-2010
Time of report generation	29NOV2010 05:26:48
Data source version	KSPT_L0/4504-N
Processing scope for products	24NOV2010 00:00:00 to 25NOV2010 00:00:00
Start time of first product within scope	24NOV2010 01:16:23
Stop time of last product within scope	25NOV2010 00:40:26
Total number of level 0 products	14
Number of level 0 products with errors	0

0.1.2 Product Quality Indicators per product

The following table shows a summary for each product used in this report.

#	Product name	Start time	Stop time	Prod err	ISP err sign	ISP miss sign	ISP disc sign	rs sign
0	MIP_NL__0PNPDE20101124_011623_000102393096_00390_45663_2081.N1	24NOV2010 01:16:23	24NOV2010 04:07:02	0	0	0	0	0
1	MIP_NL__0PNPDE20101124_040631_000062613096_00392_45665_2082.N1	24NOV2010 04:06:31	24NOV2010 05:50:52	0	0	0	0	0
2	MIP_NL__0PNPDE20101124_055018_000062093096_00393_45666_2083.N1	24NOV2010 05:50:18	24NOV2010 07:33:47	0	0	0	0	0
3	MIP_NL__0PNPDK20101124_073313_000037793096_00394_45667_3360.N1	24NOV2010 07:33:13	24NOV2010 08:36:13	0	0	0	0	0
4	MIP_NL__0PNPDK20101124_083514_000060923096_00395_45668_3361.N1	24NOV2010 08:35:14	24NOV2010 10:16:46	0	0	0	0	0
5	MIP_NL__0PNPDK20101124_101529_000061943096_00396_45669_3362.N1	24NOV2010 10:15:29	24NOV2010 11:58:43	0	0	0	0	0
6	MIP_NL__0PNPDK20101124_115745_000059143096_00397_45670_3363.N1	24NOV2010 11:57:45	24NOV2010 13:36:19	0	0	0	0	0
7	MIP_NL__0PNPDK20101124_133519_000059213096_00398_45671_3364.N1	24NOV2010 13:35:19	24NOV2010 15:13:59	0	0	0	0	0
8	MIP_NL__0PNPDK20101124_151324_000059163096_00399_45672_3365.N1	24NOV2010 15:13:24	24NOV2010 16:52:00	0	0	0	0	0
9	MIP_NL__0PNPDK20101124_165100_000059443096_00400_45673_3366.N1	24NOV2010 16:51:00	24NOV2010 18:30:03	0	0	0	0	0
10	MIP_NL__0PNPDK20101124_182903_000058933096_00401_45674_3367.N1	24NOV2010 18:29:03	24NOV2010 20:07:16	0	0	0	0	0
11	MIP_NL__0PNPDE20101124_200523_000044603096_00402_45675_2084.N1	24NOV2010 20:05:23	24NOV2010 21:19:44	0	0	0	0	0
12	MIP_NL__0PNPDE20101124_211816_000061883096_00402_45675_2085.N1	24NOV2010 21:18:16	24NOV2010 23:01:24	0	0	0	0	0
13	MIP_NL__0PNPDE20101124_230017_000060083096_00403_45676_2086.N1	24NOV2010 23:00:17	25NOV2010 00:40:26	0	0	0	0	0

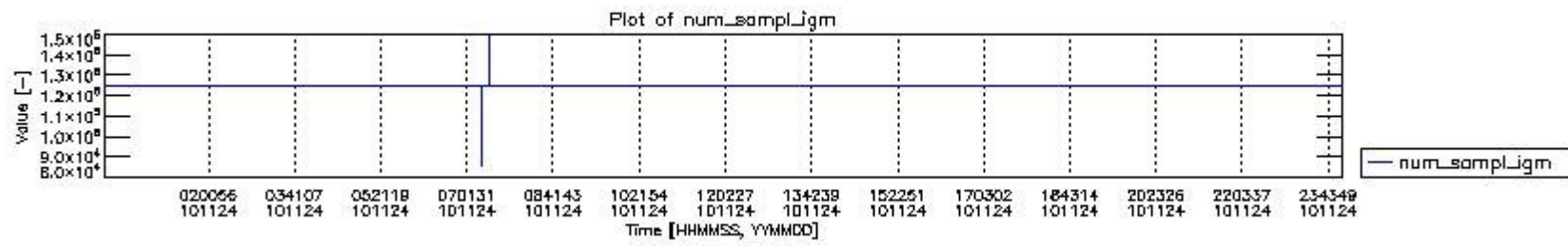
0.2 Instrument Operational Performance Parameters

The following plots give an overview of various instrument parameters for this day. The instrument parameters are part of the auxiliary data field within the source packets of the MIP_NL__0P product. The auxiliary data is normally included twice per interferogram. Note that only the first packet is currently included in monitoring.

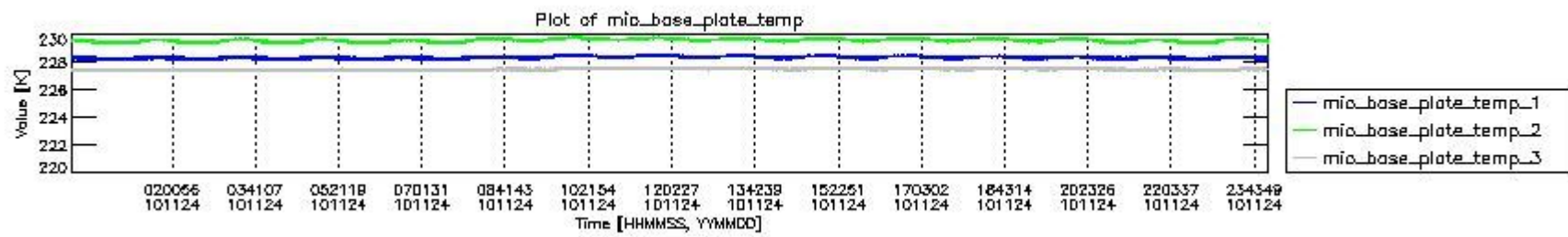
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
86014	1	0.0024014216
95341	1	0.0024014216
115473	1	0.0024014216
124800	38680	92.886989

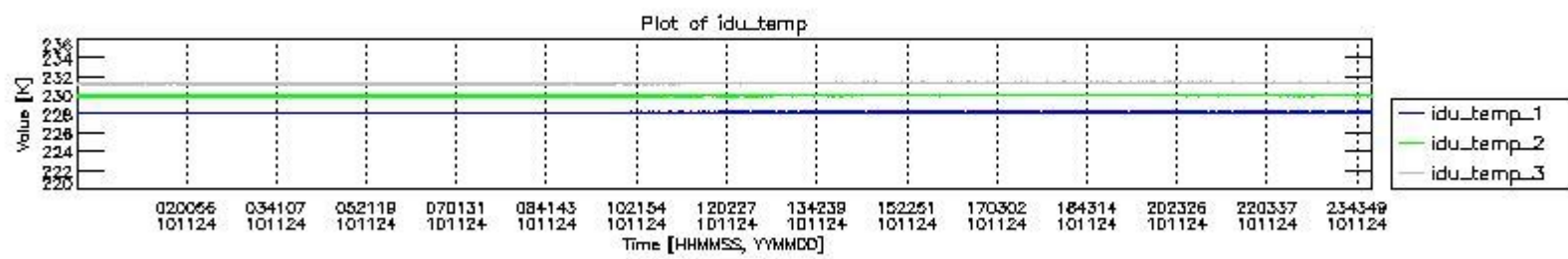
124803	2956	7.0986024
126787	1	0.0024014216
146919	1	0.0024014216
148906	1	0.0024014216



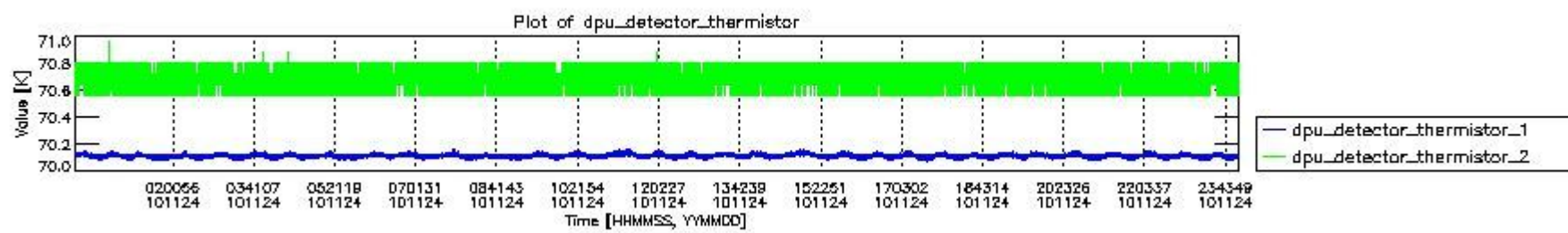
mipas_daily_report_level0_KSPT_L0_4504_N_20101124_0.PNG



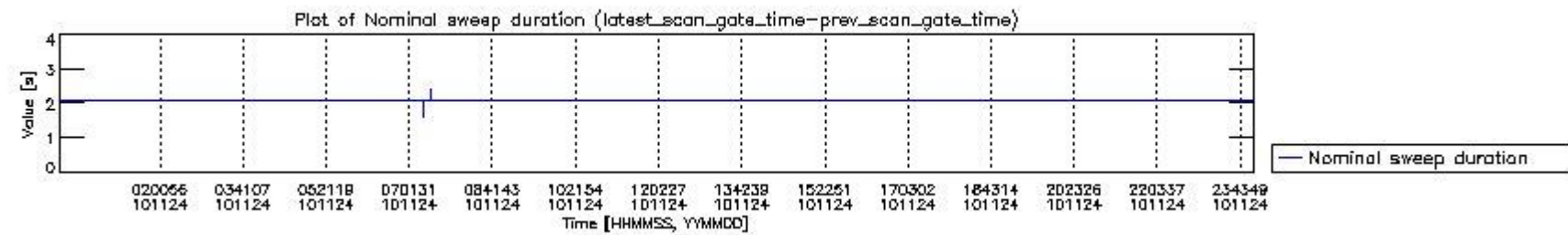
mipas_daily_report_level0_KSPT_L0_4504_N_20101124_1.PNG



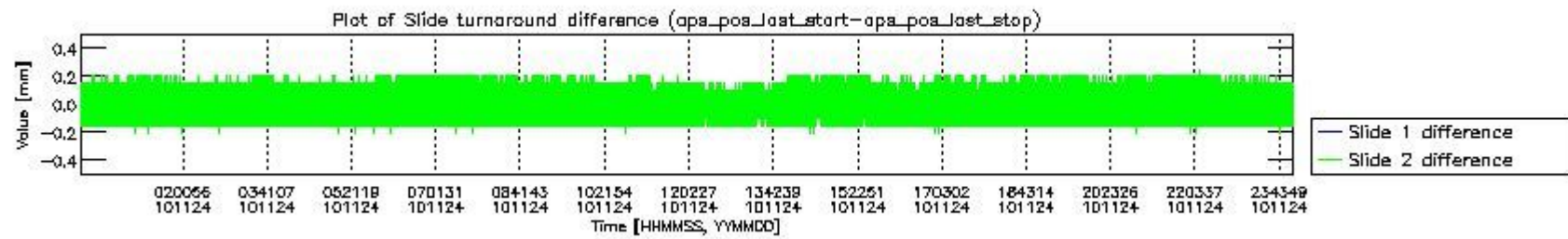
mipas_daily_report_level0_KSPT_L0_4504_N_20101124_2.PNG



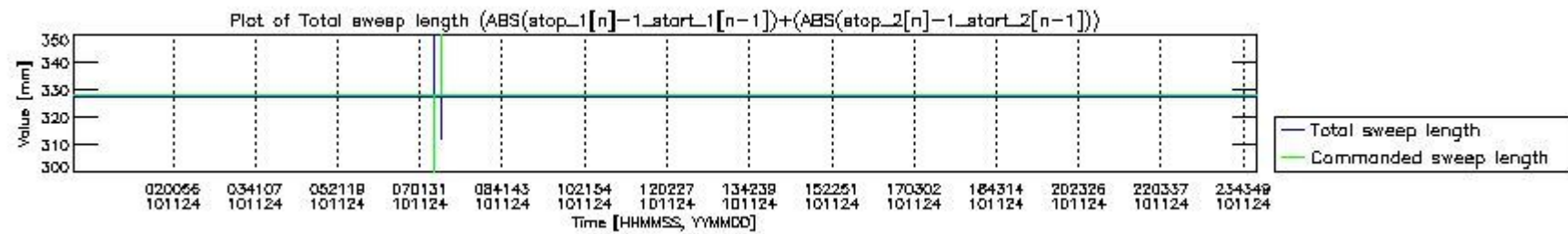
mipas_daily_report_level0_KSPT_L0_4504_N_20101124_3.PNG



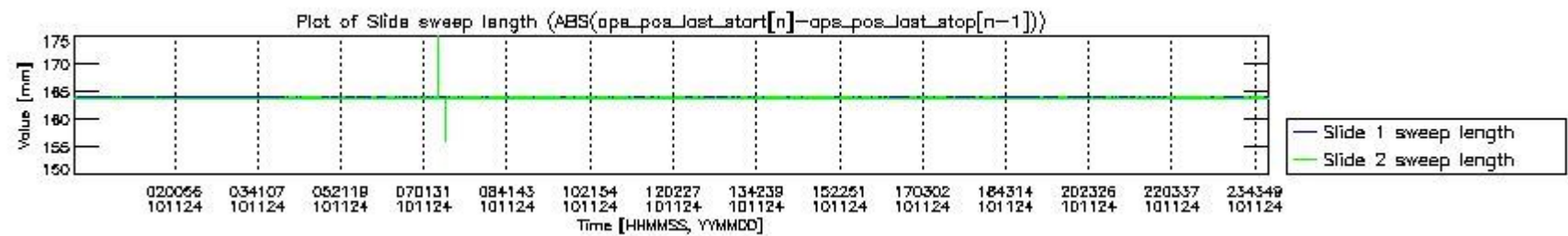
mipas_daily_report_level0_KSPT_L0_4504_N_20101124_4.PNG



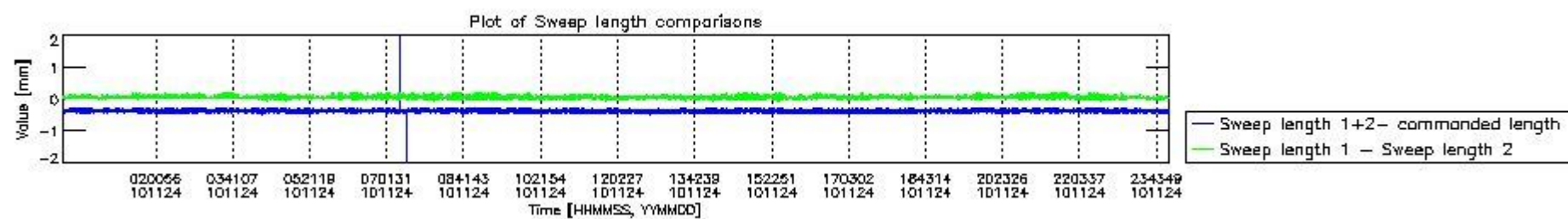
mipas_daily_report_level0_KSPT_L0_4504_N_20101124_5.PNG



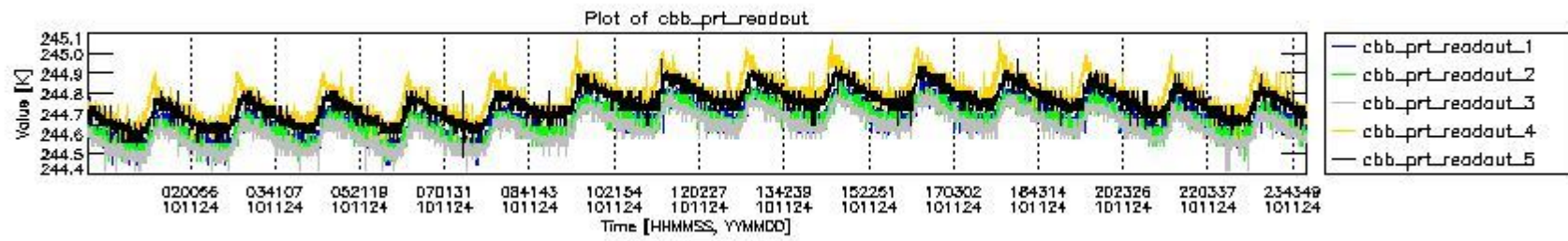
mipas_daily_report_level0_KSPT_L0_4504_N_20101124_6.PNG



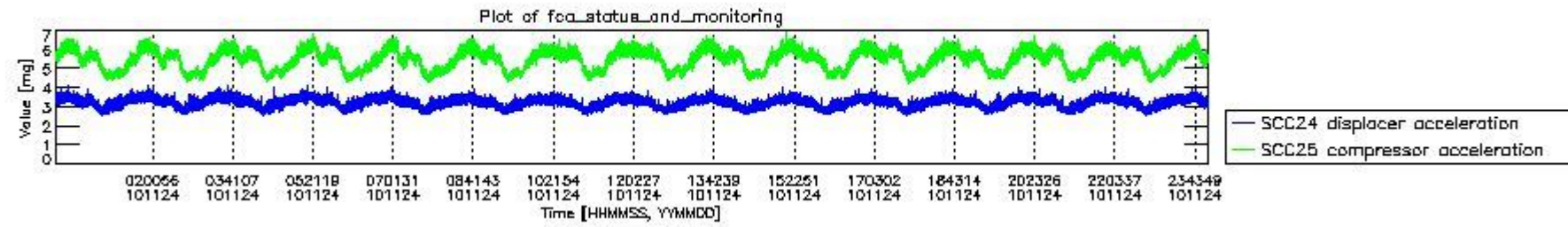
mipas_daily_report_level0_KSPT_L0_4504_N_20101124_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101124_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101124_9.PNG

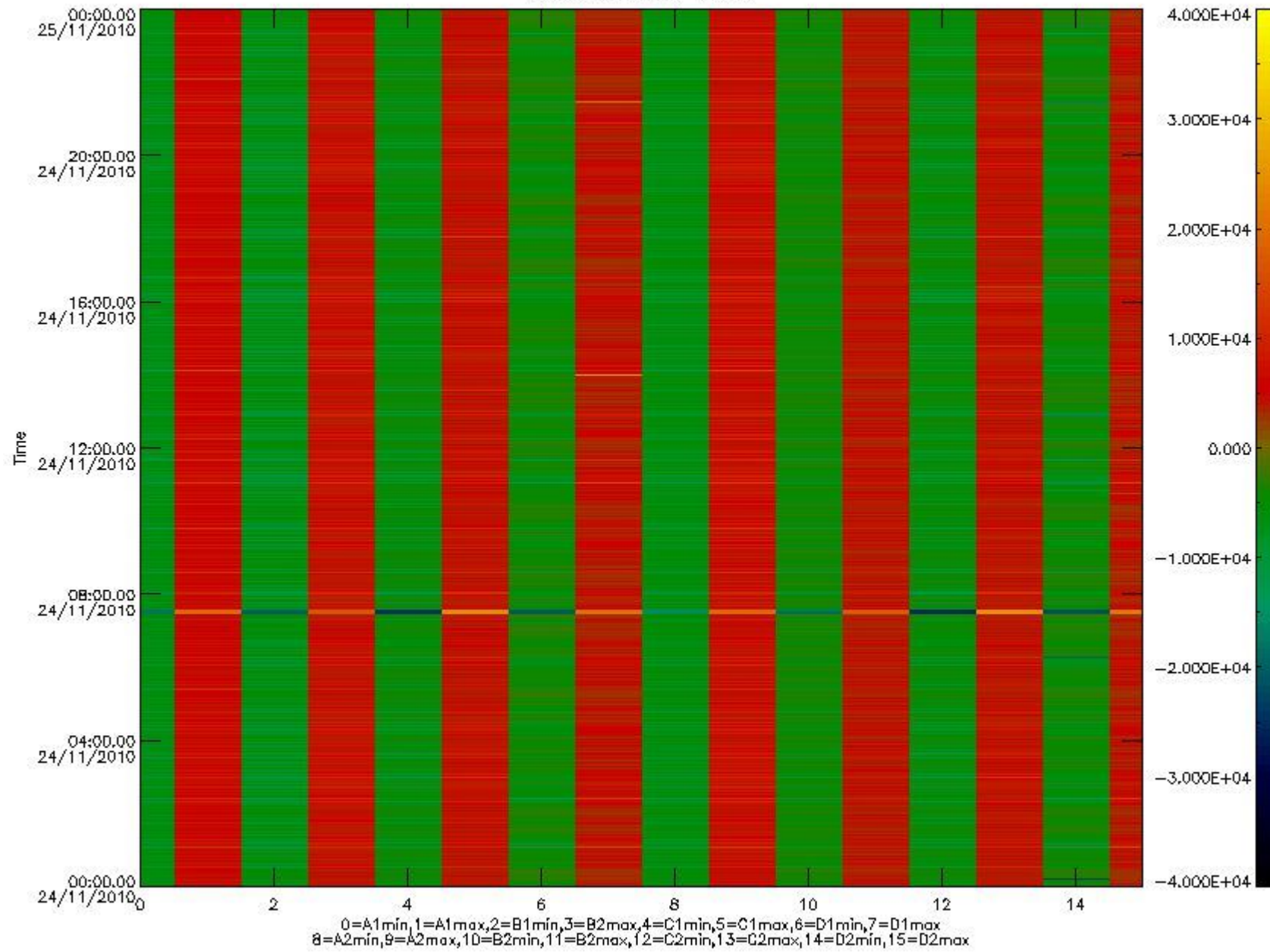


mipas_daily_report_level0_KSPT_L0_4504_N_20101124_10.PNG

The following table shows channel statistics for all channels for this day.

Channel	Min	Max	ADC
A1	-18560	19746	16bit
B1	-20576	17698	16bit
C1	-24992	24915	16bit
D1	-32768	32767	16bit
A2	-16022	19865	16bit
B2	-18701	18276	16bit
C2	-25995	25571	16bit
D2	-32768	32767	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20101124_11.PNG

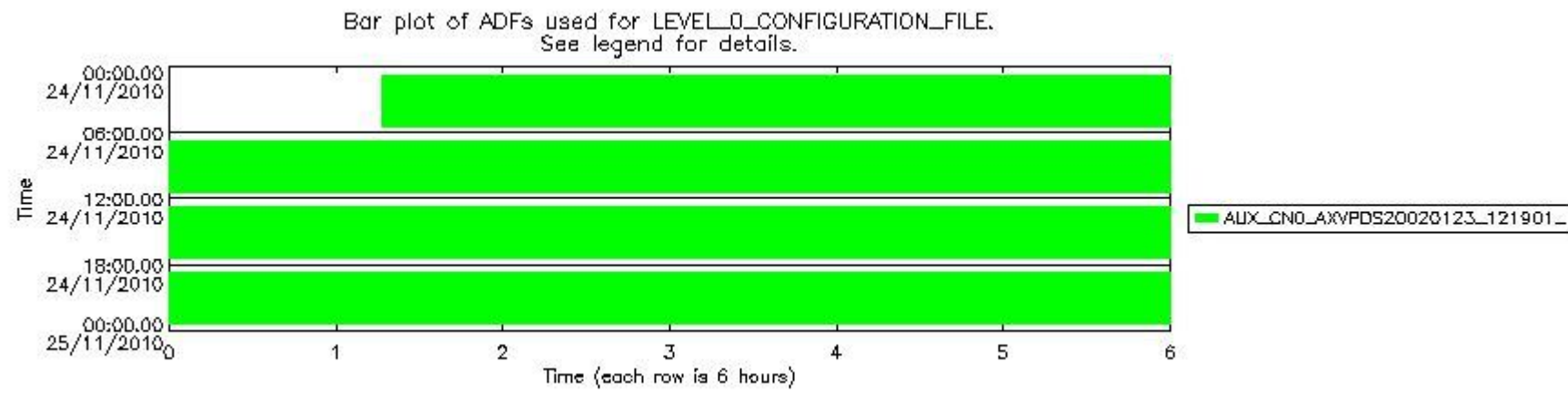
0.3 ADF monitoring

The use of ADFs is shown in two ways:

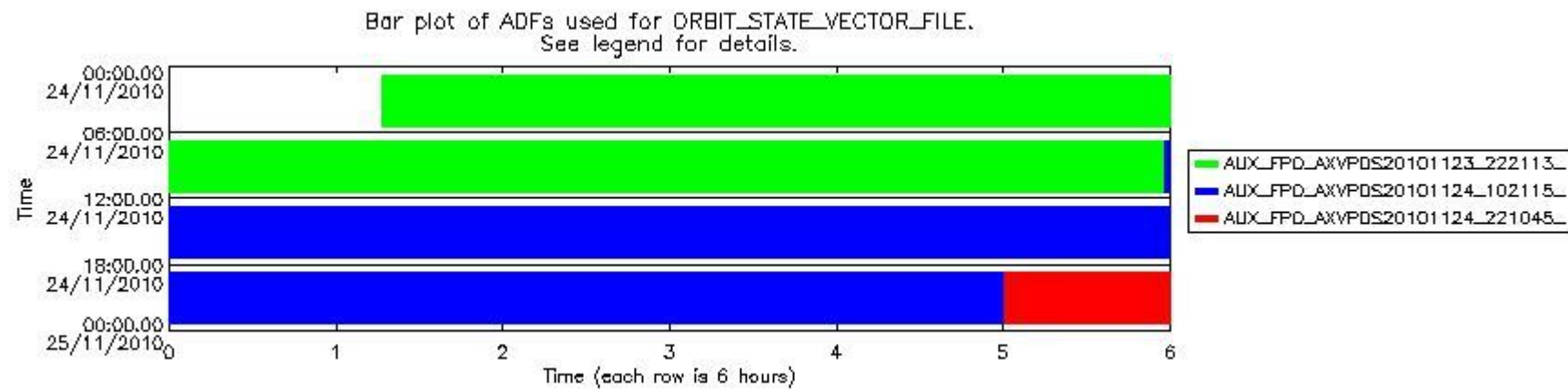
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20101123_222113_20101122_192441_20101202_213836
2	AUX_FPO_AXVPDS20101124_102115_20101124_080949_20101204_102344
3	AUX_FPO_AXVPDS20101124_221045_20101124_195128_20101204_202509

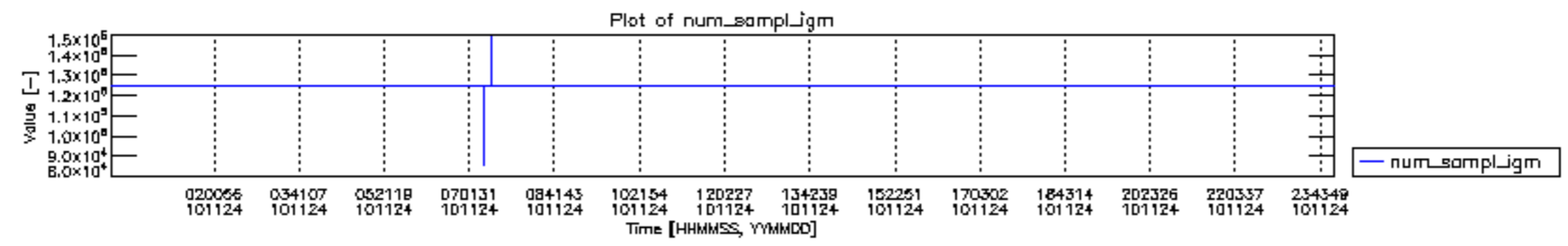
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20101124_011623_000102393096_00390_45663_2081.N1	0	1
1	MIP_NL__0PNPDE20101124_040631_000062613096_00392_45665_2082.N1	0	1
2	MIP_NL__0PNPDE20101124_055018_000062093096_00393_45666_2083.N1	0	1
3	MIP_NL__0PNPDK20101124_073313_000037793096_00394_45667_3360.N1	0	1
4	MIP_NL__0PNPDK20101124_083514_000060923096_00395_45668_3361.N1	0	1
5	MIP_NL__0PNPDK20101124_101529_000061943096_00396_45669_3362.N1	0	1
6	MIP_NL__0PNPDK20101124_115745_000059143096_00397_45670_3363.N1	0	2
7	MIP_NL__0PNPDK20101124_133519_000059213096_00398_45671_3364.N1	0	2
8	MIP_NL__0PNPDK20101124_151324_000059163096_00399_45672_3365.N1	0	2
9	MIP_NL__0PNPDK20101124_165100_000059443096_00400_45673_3366.N1	0	2
10	MIP_NL__0PNPDK20101124_182903_000058933096_00401_45674_3367.N1	0	2
11	MIP_NL__0PNPDE20101124_200523_000044603096_00402_45675_2084.N1	0	2
12	MIP_NL__0PNPDE20101124_211816_000061883096_00402_45675_2085.N1	0	2
13	MIP_NL__0PNPDE20101124_230017_000060083096_00403_45676_2086.N1	0	3

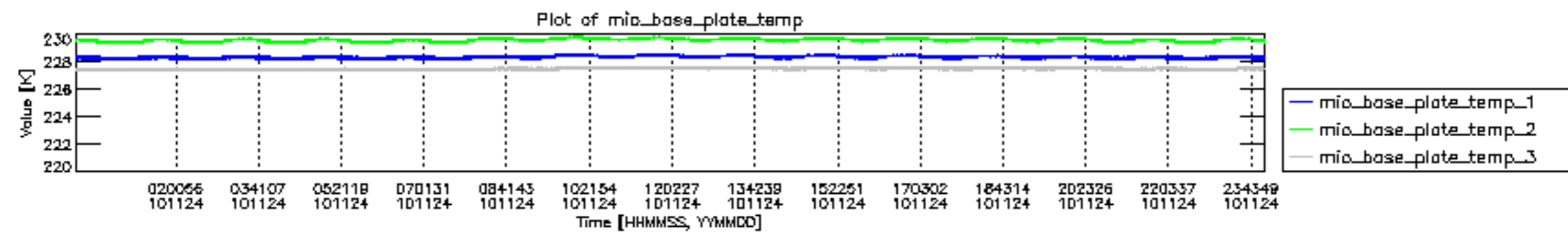


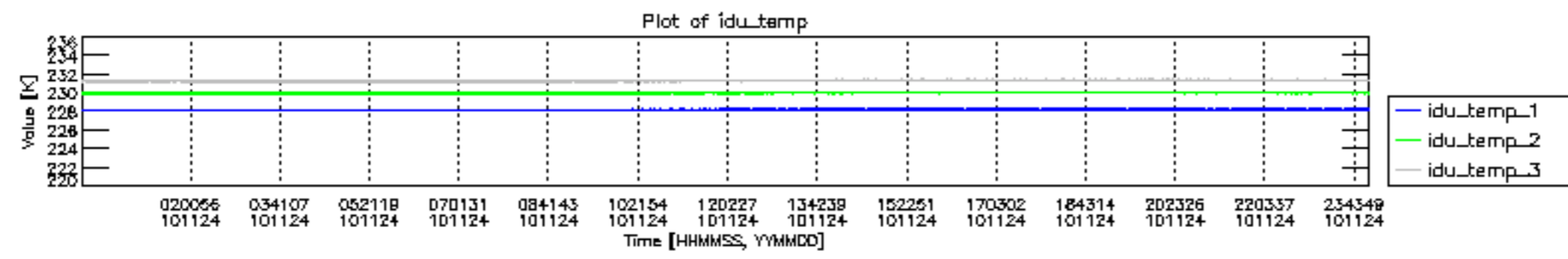
mipas_daily_report_level0_KSPT_L0_4504_N_20101124_12.PNG

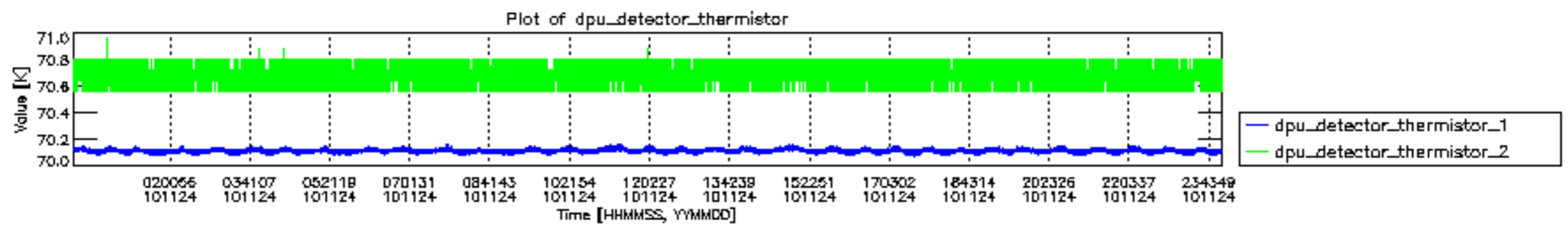


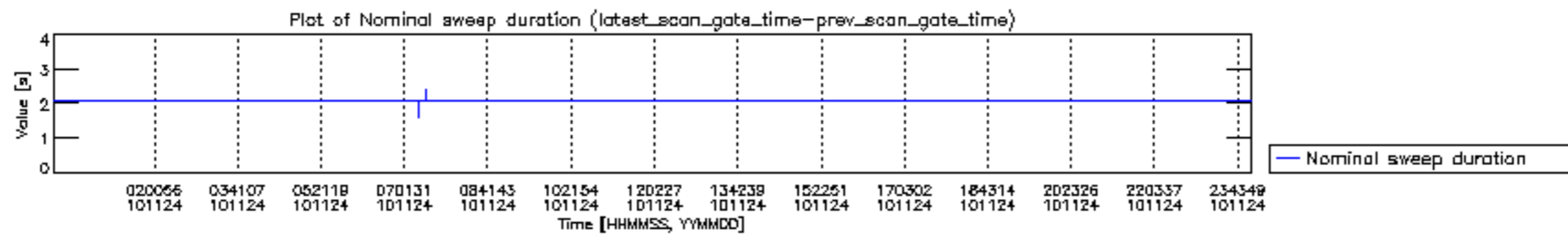
mipas_daily_report_level0_KSPT_L0_4504_N_20101124_13.PNG

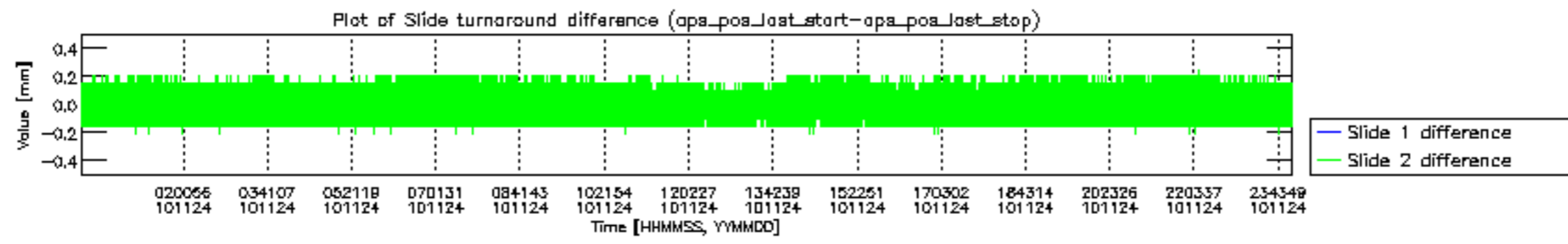


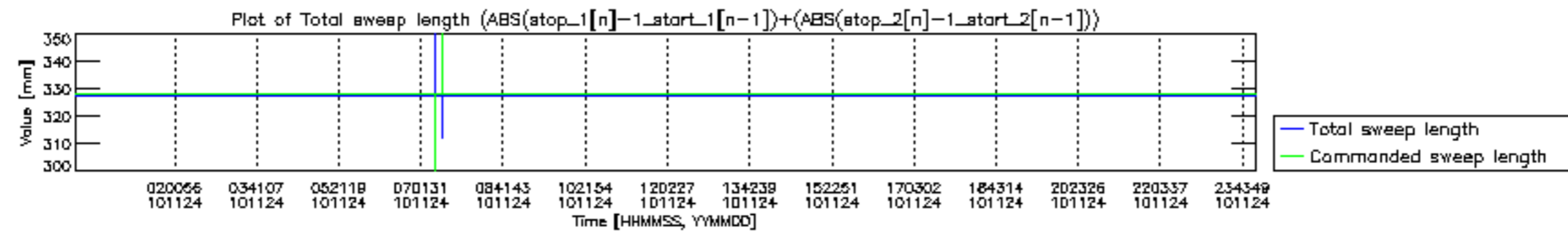


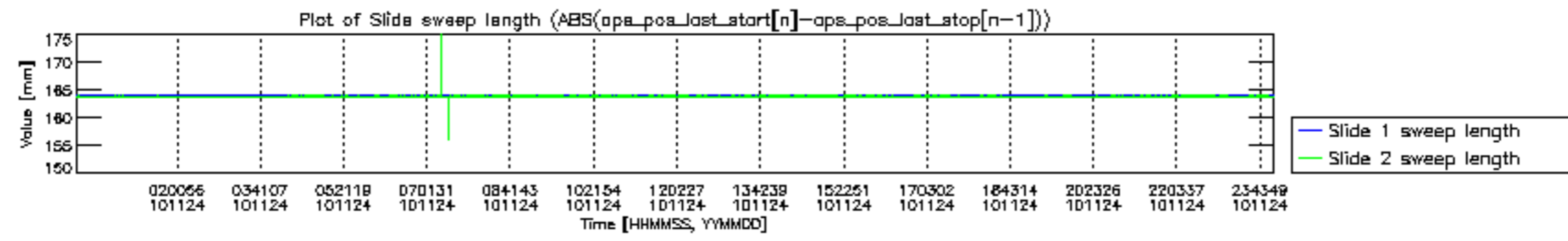


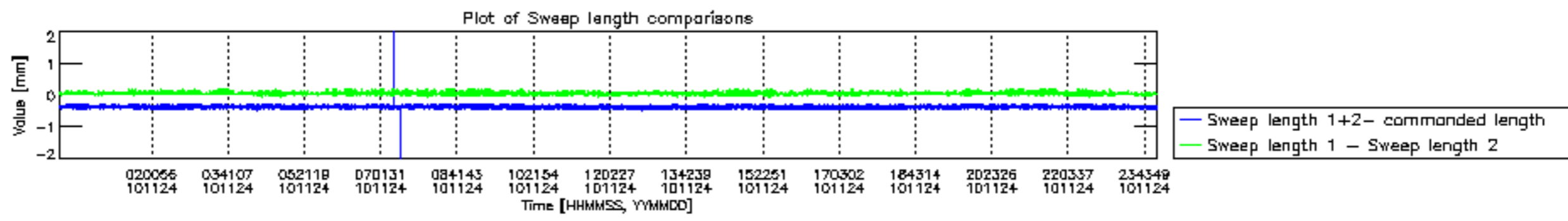


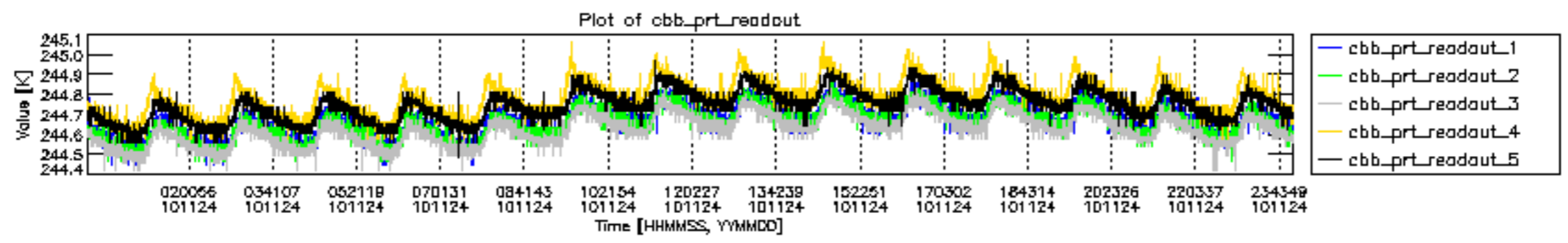


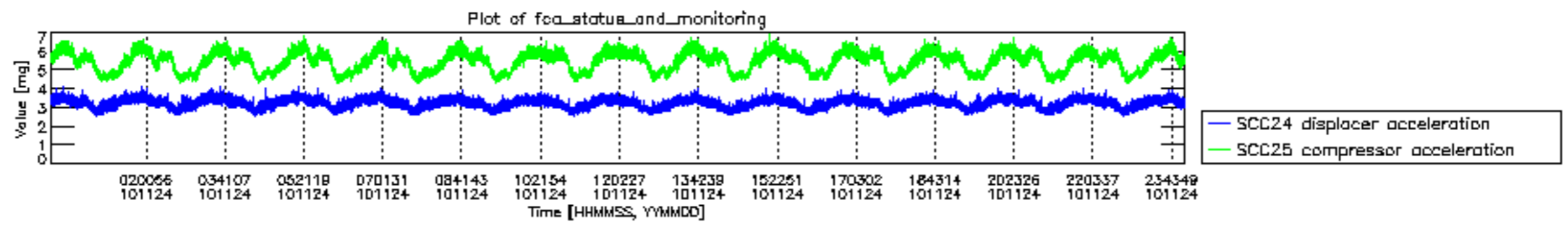




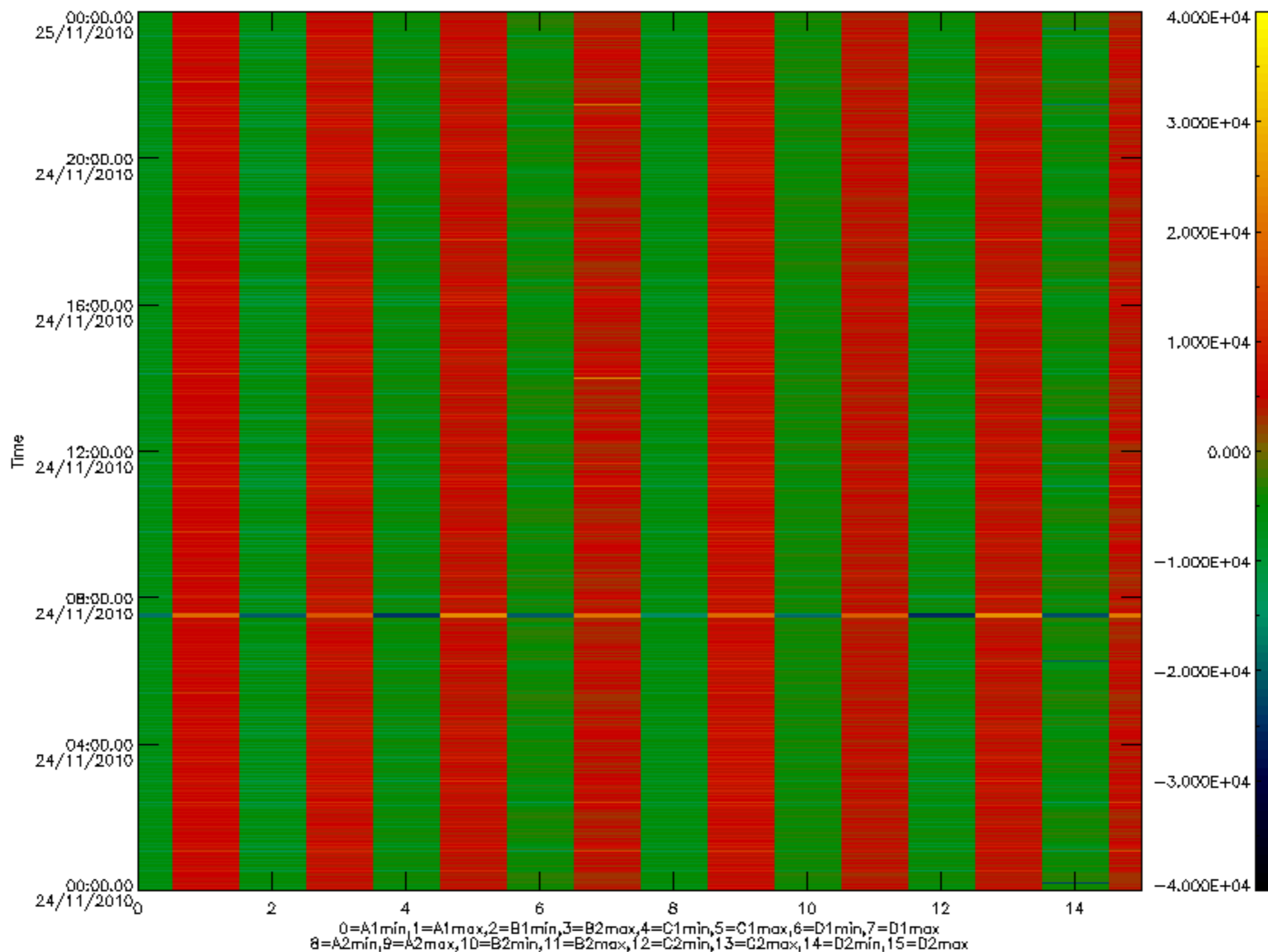


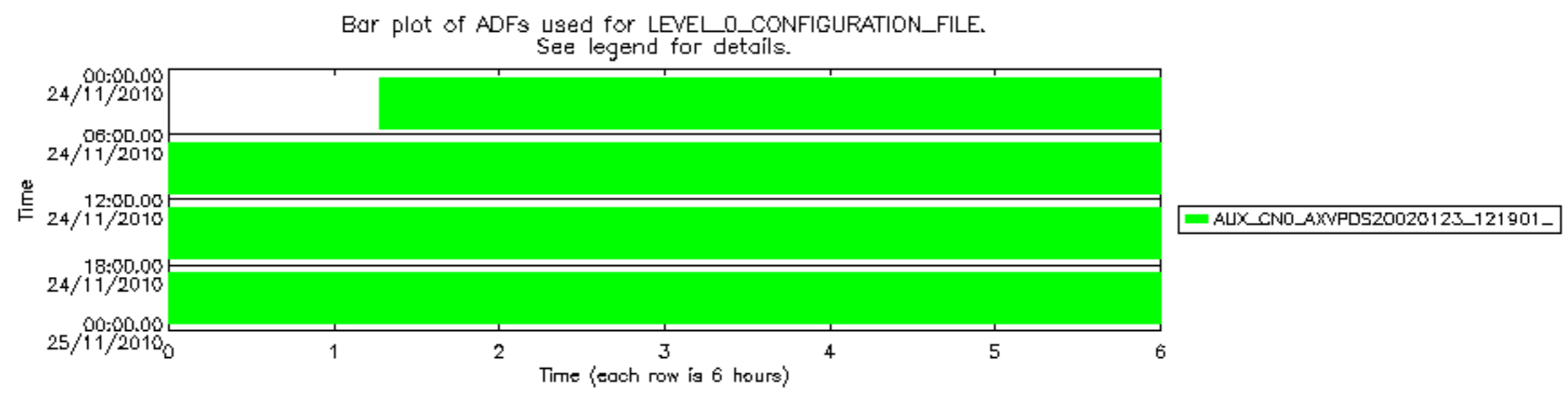






MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.





Bar plot of ADFs used for ORBIT_STATE_VECTOR_FILE.
See legend for details.

